ETA - Error Transaction Program

This Natural profile parameter is for:

- mainframes
- UNIX/OpenVMS and Windows

It provides the name of the program which receives control if an error condition is detected during Natural program execution.

Possible settings	1 to 8 characters	Program name for error transaction.
Default setting	none	No error transaction program is called.
Dynamic specification	YES	
Specification within session	YES	

The setting of this parameter can be modified by a user program with the system variable *ERROR-TA.

> **Note:**
> Error transaction programs must be in the library to which you are currently logged on.

When an error occurs, Natural executes a STACK TOP DATA statement and places the following information at the top of the stack:

- Error number (N4 if SG=OFF; N5 if SG=ON)
- Line number (N4)
- Status (A1)
- Program name (A8)
- Level (N2)

This information can be used as INPUT data by an error transaction. The status can be one of the following settings:

Setting	Explanation
C	Command processing error
L	Logon processing error
R	Error on Remote server (in conjunction with Natural RPC)
O	Object time error
S	Non-correctable Syntax error

If the status is either "C" or "L", the line number will be "0".

If **Natural Security** is installed, the following rules apply:

- If an error occurs during the *first* logon to Natural, the program specified with the ETA parameter applies. The error transaction must be in SYSLIB at the time of the first logon.
- If an error occurs *after* the first logon, the program specified as error transaction in the security profile of the current library applies. If no error transaction is specified, the ETA parameter applies.

For additional information concerning the definition and use of error transaction programs, see Transactions (in the Natural Security documentation).